

CLAIMS

The invention claimed is:

- 5 1. A device comprising:
a network interface for coupling to a network; and
a processor coupled with the network interface, in which the processor is
adapted to
receive and analyze a SIP invite message;
10 generate a H.323 request message responsive to the analyzed SIP
invite message; and
transmit the generated request message to a H.323 gatekeeper.
- 15 2. The device of claim 1, in which
the request message is a ASN.1 encoded RAS LRQ message.
- 20 3. The device of claim 1, in which
the gatekeeper is preconfigured, and
the request message is transmitted over a UDP socket.
- 25 4. The device of claim 1, in which the processor is further adapted to:
receive a H.323 response message responsive to the transmitted request
message;
decode from the response message a primary network address
corresponding to a primary network device associated with the gatekeeper;
and
send a reply to the SIP invite message that contains the primary
network address.
- 30 5. The device of claim 4, in which
the SIP invite message is received from a first device, and
the reply to the SIP invite message is sent to a second device different from
the first device.

6. The device of claim 4, in which
the response message is a ASN.1 encoded RAS LCF message.

7. The device of claim 4, in which
the response message is a ASN.1 encoded LRJ message.

8. The device of claim 4, in which
the response message is a ASN.1 encoded RIP message.

9. The device of claim 4, in which the processor is further adapted to:
decode from the response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper,
and
in which the reply to the SIP invite message further contains the alternate
network address.

10. A device comprising:
a network interface for coupling to a network; and
a processor coupled with the network interface, in which the processor is
adapted to
receive and analyze a H.323 request message;
generate a SIP location request message responsive to the analyzed
H.323 request message; and
transmit the generated SIP location request message to a SIP
gatekeeper.

11. The device of claim 10, in which
the request message is a ASN.1 encoded RAS LRQ message.

12. The device of claim 10, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

13. The device of claim 10, in which the processor is further adapted to:

receive a SIP response message responsive to the transmitted SIP
location request message;

decode from the response message a primary network address
corresponding to a primary network device associated with the gatekeeper;
and

send a reply to the H.323 request message that contains the primary
network address.

14. The device of claim 13, in which the processor is further adapted to:

decode from the response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper,
and

in which the reply to the H.323 request message further contains the alternate
network address.

15. A device comprising:

means for receiving and analyzing a SIP invite message;
means for generating a H.323 request message responsive to the analyzed SIP
invite message; and

means for transmitting the generated request message to a H.323 gatekeeper.

16. The device of claim 15, in which

the request message is a ASN.1 encoded RAS LRQ message.

17. The device of claim 15, in which

the gatekeeper is preconfigured, and
the request message is transmitted over a UDP socket.

18. The device of claim 15, further comprising:

means for receiving a H.323 response message responsive to the transmitted
request message;

means for decoding from the response message a primary network address
corresponding to a primary network device associated with the gatekeeper; and

means for sending a reply to the SIP invite message that contains the primary network address.

19. The device of claim 18, in which
the SIP invite message is received from a first device, and
the reply to the SIP invite message is sent to a second device different from the first device.

20. The device of claim 18, in which
the response message is a ASN.1 encoded RAS LCF message.

21. The device of claim 18, in which
the response message is a ASN.1 encoded LRJ message.

22. The device of claim 18, in which
the response message is a ASN.1 encoded RIP message.

23. The device of claim 18, further comprising:
means for decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and
in which the reply to the SIP invite message further contains the alternate network address.

24. A device comprising:
means for receiving and analyzing a H.323 request message;
means for generating a SIP location request message responsive to the analyzed H.323 request message; and
means for transmitting the generated SIP location request message to a SIP gatekeeper.

25. The device of claim 24, in which
the request message is a ASN.1 encoded RAS LRQ message.

26. The device of claim 24, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

27. The device of claim 24, further comprising:
means for receiving a SIP response message responsive to the transmitted SIP
location request message;
means for decoding from the response message a primary network address
corresponding to a primary network device associated with the gatekeeper; and
means for sending a reply to the H.323 request message that contains the
primary network address.

28. The device of claim 27, further comprising:
means for decoding from the response message also an alternate network
address corresponding to an alternate network device associated with the gatekeeper,
and
in which the reply to the H.323 request message further contains the alternate
network address.

29. An article comprising: a storage medium, the storage medium having
instructions stored thereon, in which when the instructions are executed by at least
one device, they result in:
receiving and analyzing a SIP invite message;
generating a H.323 request message responsive to the analyzed SIP invite
message; and
transmitting the generated request message to a H.323 gatekeeper.

30. The article of claim 29, in which
the request message is a ASN.1 encoded RAS LRQ message.

31. The article of claim 29, in which
the gatekeeper is preconfigured, and
the request message is transmitted over a UDP socket.

32. The article of claim 29, in which the instructions further result in:
receiving a H.323 response message responsive to the transmitted request
message;
decoding from the response message a primary network address corresponding
5 to a primary network device associated with the gatekeeper; and
sending a reply to the SIP invite message that contains the primary network
address.

33. The article of claim 32, in which
10 the SIP invite message is received from a first device, and
the reply to the SIP invite message is sent to a second device different from
the first device.

34. The article of claim 32, in which
15 the response message is a ASN.1 encoded RAS LCF message.

35. The article of claim 32, in which
the response message is a ASN.1 encoded LRJ message.

36. The article of claim 32, in which
20 the response message is a ASN.1 encoded RIP message.

37. The article of claim 32, in which the instructions further result in:
decoding from the response message also an alternate network address
25 corresponding to an alternate network device associated with the gatekeeper, and
in which the reply to the SIP invite message further contains the alternate
network address.

38. An article comprising: a storage medium, the storage medium having
30 instructions stored thereon, in which when the instructions are executed by at least
one device, they result in:
receiving and analyzing a H.323 request message;
generating a SIP location request message responsive to the analyzed H.323
request message; and

transmitting the generated SIP location request message to a SIP gatekeeper.

39. The article of claim 38, in which
the request message is a ASN.1 encoded RAS LRQ message.

40. The article of claim 38, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

41. The article of claim 38, in which the instructions further result in:
receiving a SIP response message responsive to the transmitted SIP location
request message;
decoding from the response message a primary network address corresponding
to a primary network device associated with the gatekeeper; and
sending a reply to the H.323 request message that contains the primary
network address.

42. The article of claim 41, in which the instructions further result in:
decoding from the response message also an alternate network address
corresponding to an alternate network device associated with the gatekeeper, and
in which the reply to the H.323 request message further contains the alternate
network address.

43. A method comprising:
receiving and analyzing a SIP invite message;
generating a H.323 request message responsive to the analyzed SIP invite
message; and
transmitting the generated request message to a H.323 gatekeeper.

44. The method of claim 43, in which
the request message is a ASN.1 encoded RAS LRQ message.

45. The method of claim 43, in which
the gatekeeper is preconfigured, and

the request message is transmitted over a UDP socket.

46. The method of claim 43, further comprising:

receiving a H.323 response message responsive to the transmitted request

message;

decoding from the response message a primary network address corresponding to a primary network device associated with the gatekeeper; and

sending a reply to the SIP invite message that contains the primary network address.

47. The method of claim 46, in which

the SIP invite message is received from a first device, and

the reply to the SIP invite message is sent to a second device different from the first device.

48. The method of claim 46, in which

the response message is a ASN.1 encoded RAS LCF message.

49. The method of claim 46, in which

the response message is a ASN.1 encoded LRJ message.

50. The method of claim 46, in which

the response message is a ASN.1 encoded RIP message.

51. The method of claim 46, further comprising:

decoding from the response message also an alternate network address corresponding to an alternate network device associated with the gatekeeper, and in which the reply to the SIP invite message further contains the alternate network address.

52. A method comprising:

receiving and analyzing a H.323 request message;

generating a SIP location request message responsive to the analyzed H.323 request message; and

transmitting the generated SIP location request message to a SIP gatekeeper.

53. The method of claim 52, in which
the request message is a ASN.1 encoded RAS LRQ message.

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54. The method of claim 52, in which
the gatekeeper is preconfigured, and
the SIP location request message is transmitted over a UDP socket.

10 55. The method of claim 52, further comprising:
receiving a SIP response message responsive to the transmitted SIP location
request message;
decoding from the response message a primary network address corresponding
to a primary network device associated with the gatekeeper; and
15 sending a reply to the H.323 request message that contains the primary
network address.

56. The method of claim 55, further comprising:
decoding from the response message also an alternate network address
20 corresponding to an alternate network device associated with the gatekeeper, and
in which the reply to the H.323 request message further contains the alternate
network address.